

## Abstract

A filter module 36 for a WOSA/XFS transaction processing system is disclosed. The system includes a WOSA transaction manager 20 which is responsive to transaction requests 12 from one or more applications 10. A service provider layer is adapted to relay transaction requests passed from said transaction manager to associated hardware 14 for execution. The filter module is adapted to intercept transaction requests 16 from said transaction manager 20 to said service provider layer and to process said requests. The filter module is further adapted to intercept transaction responses from said service provider layer to said transaction manager and the or each application and to process said responses.

- 7 d. a user input means,  
8 e. a card reader, and *a*  
9 f. a storage medium, said storage medium being  
10 adapted to store said transaction processing  
11 system and operating system software.

*sub  
any*  
1 13. An ATM as claimed in claim 12 wherein one of said  
2 applications is operable to request user input from said  
3 user input means and to request data to be read from a  
4 card inserted in said card reader and one of the or each  
5 filter modules is adapted to process said requests.

1 14. An ATM as claimed in claim 12 wherein said user  
2 input means comprises one or more *a* of a numeric keypad, a  
3 set of function keys and a touch screen.  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

*add a5* >